## WHAT IS CLAIMED IS:

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1. A method for adaptively starting an internal combustion engine connected to a generator, comprising

operating the generator as a motor to start the internal combustion engine;

raising the oil pressure of the engine to a predetermined oil pressure; applying an ignition spark in the engine after the predetermined oil pressure is obtained in the internal combustion engine;

supplying fuel to the internal combustion engine after a stable ignition spark has been achieved;

removing the generator as the motor to start the internal combustion engine after the internal combustion engine has reached a predetermined rotation; and raising the temperature of the internal combustion engine before maximizing an output of the internal combustion engine.

- 2. The method of claim 1, wherein a pump is used to raise the oil pressure of the engine.
- 3. The method of claim 1, wherein the temperature of the internal combustion engine is raised while in an idle mode.
- 4. The method of claim 1, wherein the temperature of the engine is raised by an external device prior to starting.
  - 5. A method for adaptively stopping an internal combustion engine connected to a generator, comprising

allowing the internal combustion engine to idle;

activating a cooling system in order to lower a temperature of the internal combustion engine to a first predetermined temperature;

shutting off fuel supplied to the internal combustion engine after the internal combustion engine is below the first predetermined temperature level;

turning off an ignition spark in the internal combustion engine after the internal combustion engine has stopped; and

turning off the cooling system after the temperature of the internal combustion engine is lowered to a second predetermined temperature which is lower than the first predetermined temperature.

6. The method of claim 5, wherein the first predetermined temperature is a temperature used to prevent thermal shock.

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- 7. The method of claim 5, wherein the first predetermined temperature is a temperature in which the internal combustion engine has been uniformly cooled.
- 8. The method of claim 5, wherein the engine stops after the fuel in the internal combustion engine has been burned off.
- 9. The method of claim 5, wherein the engine stops after the fuel and fuel vapor in the internal combustion engine have been burned off.
  - 10. The method of claim 5, wherein the second predetermined temperature is a temperature in which heat is not released from the internal combustion engine to the atmosphere.
- 11. The method of claim 5, wherein the second predetermined temperature is a temperature in which the internal combustion engine has been uniformly cooled.
  - 12. A vehicle, comprising:an internal combustion engine;a generator connected to the internal combustion engine; anda controller that:

operates the generator as a motor to start the internal combustion engine;

raises the oil pressure of the engine to a predetermined oil pressure;

applies an ignition spark in the engine after the predetermined oil pressure is obtained in the internal combustion engine;

supplies fuel to the internal combustion engine after a stable ignition spark has been achieved;

removes the generator as the motor to start the internal combustion engine after the internal combustion engine has reached a predetermined rotation; and

raises the temperature of the internal combustion engine before maximizing an output of the internal combustion engine.

- 13. The vehicle of claim 12, wherein a pump is integral with the generator in order the raise the oil pressure.
- 14. The vehicle of claim 12, wherein the temperature of the internal combustion engine is raised while in an idle mode.
- The vehicle of claim 12, wherein the temperature of the engine is raised by an external device prior to starting.
  - 16. A vehicle, comprising:

an internal combustion engine;

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a generator connected to the internal combustion engine; and a controller that:

allows the internal combustion engine to idle;

activates a cooling system in order to lower a temperature of the internal combustion engine to a first predetermined temperature;

shuts off fuel supplied to the internal combustion engine after the internal combustion engine is below the first predetermined temperature level;

turns off an ignition spark in the internal combustion engine after the internal combustion engine has stopped; and

turns off the cooling system after the temperature of the internal combustion engine is lowered to a second predetermined temperature which is lower than the first predetermined temperature.

- 17. The vehicle of claim 16, wherein the first predetermined temperature is a temperature used to prevent thermal shock.
- 18. The vehicle of claim 16, wherein the first predetermined temperature is a temperature in which the internal combustion engine has been uniformly cooled.
- 19. The vehicle of claim 16, wherein the engine stops after the fuel in the internal combustion engine has been burned off.
- 20. The vehicle of claim 16, wherein the engine stops after the fuel and fuel vapor in the internal combustion engine have been burned off.

- 21. The vehicle of claim 16, wherein the second predetermined temperature is a temperature in which heat is not released from the internal combustion engine to the atmosphere.
- The vehicle of claim 16, wherein the second predetermined
  temperature is a temperature in which the internal combustion engine has been uniformly cooled.